What is claimed is:

- A method of identifying a type of a disc, comprising:
 detecting an RPM (Rotation Per Minute) of the disc; and
 identifying a first disc type by comparing the RPM with a first reference value.
- 2. The method of claim 1, wherein the identifying of the first disc type includes determining whether the disc is a DVD(-) type or a DVD(+) type.
- 3. The method of claim 1, wherein the identifying of the first disc type includes determining that the disc is a DVD(-) type if the RPM is lower than the first reference value and that the disc is a DVD(+) type if the RPM is not lower than the first reference value.
- 4. The method of claim 1, further comprising: measuring reflectivity of the disc; and identifying a second disc type between a one-time recordable type and a re-recordable type by comparing the reflectivity of the disc with a second reference value.
- 5. The method of claim 4, wherein the identifying of the second disc type includes determining that the disc is the one-time recordable disc type if the reflectivity is higher than the second reference value and that the disc is the re-recordable disc type if the reflectivity is not higher than the second reference value.
- 6. The method of claim 3, further comprising: measuring reflectivity of the disc; and identifying a second disc type either as a one-time recordable disc type or as a re-recordable disc type by comparing the reflectivity of the disc with a second reference value.
- 7. The method of claim 1, wherein the detection of the RPM is performed after converting a motor control mode rotating the disc into a CLV (Constant Linear Velocity) servo mode based on a wobble signal.

- 8. An apparatus identifying a type of a disc, comprising:
- a motor rotating the disc; and
- a system controller identifying the type of the disc by comparing an RPM of the disc detected using a frequency signal generated at the motor with a first reference value.
- 9. The apparatus of claim 8, wherein the system controller determines that the disc is a DVD(-) type if the RPM is lower than the first reference value and that the is disc is a DVD(+) type if the RPM is not lower than the first reference value.
- 10. The apparatus of claim 8, further comprising a pickup which emits light on the disc and receives the light reflected by the disc, wherein the system controller determines whether the disc is a one-time recordable disc type or a re-recordable disc type according to the reflectivity measured on the basis of light received via the pickup.
- 11. The apparatus of claim 10, wherein the system controller determines that the disc is a one-time recordable disc if the reflectivity is higher than a second reference value and that the disc is a re-recordable disc if the reflectivity is not higher than the second reference value.
- 12. The apparatus of claim 9, further comprising a pickup which emits light on the disc and receives light reflected by the disc, wherein the system controller determines whether the disc is a one-time recordable disc type or a re-recordable disc type according to the reflectivity measured on the basis of light received via the pickup.
 - 13. A method of identifying a disc format, comprising:

measuring a reflectivity of light from a disc to identify the disc format as a one-time re-recordable type if the reflectivity is higher than a reflectivity reference value and as a re-recordable type if the reflectivity is less than the reflectivity reference value; and

measuring an RPM of the disc to identify the disc format as a DVD(-) type disc if the RPM is lower than a speed reference value or as a DVD(+) type if the RPM is higher than the speed reference value.

14. The method of claim 13, further comprising:

converting a motor control mode rotating the disc into a CLV (Constant Linear Velocity) servo mode based on a wobble signal to control the RPM of the disc.

- 15. The method of claim 13, wherein the measuring the RPM comprises using a frequency signal generated by a motor that rotates the disc.
 - 16. A method of identifying a disc type, comprising:

receiving reflected light reflected from a disc, wherein the disc is identified as a one-time recordable type or as a re-recordable type based on the amount of the reflected light received.

17. A method of identifying a disc type, comprising:

comparing a reflectivity of light from a disc to a reflectivity reference value;

identifying the disc type as a one-time re-recordable type if the reflectivity is higher than the reflectivity reference value and as a re-recordable type if the reflectivity is less than the reflectivity reference value;

comparing an RPM of the disc to a speed reference value; and

identifying the disc format as a DVD(-) type disc if the RPM is lower than the speed reference value or as a DVD(+) type if the RPM is higher than the speed reference value.

18. The method of claim 17, further comprising:

setting the reflectivity reference value to identify the disc as a DVD-R or a DVD+R type if the reflectivity is between 45% and 80% and as a DVD-RW or DVD+RW type if the reflectivity is between 18% and 30%.

19. The method of claim 17, further comprising:

setting the speed reference value to identify the disc as a DVD(-) type if the disc rotates at 2600 RPM in a stabilized wobble CLV 1X mode and as a DVD(+) type if the disc rotates at a velocity exceeding 2600 RPM.

20. The method of claim 17, further comprising:

setting a control mode of a spindle motor to a stable wobble CLV servo mode if the disc is identified as a DVD(-) type to control the RPM of the disc.

21. The method of claim 20, further comprising:

returning a spindle motor to a control mode using FG signals before reaching a maximum RPM of the disc drive in order to protect performance of the spindle motor if the disc is identified as a DVD(+) type.

- 22. The method of claim 21, wherein the returning comprises returning to the control mode when the detected RPM is 4000 to 5000 rpm.
 - 23. An apparatus that identifies a disc type, comprising:

an RF (radio frequency) amplifier that produces a push-pull signal from light received from a disc;

a wobble detector that filters a wobble signal from the push-pull signal; and a system controller that identifies the disc type from the wobble signal.

- 24. The apparatus of claim 23, further comprising:
- a pickup that receives reflected light from the disc.
- 25. The apparatus of claim 24, wherein the pickup comprises:

an objective lens;

an actuator to drive the objective lens;

a laser diode; and

an optical detector.

26. The apparatus of claim 25, further comprising:

a servo controller that drives the actuator and thus moves the objective lens up and down to detect the reflected light.

- 27. The apparatus of claim 23, further comprising: a spindle motor that rotates the disc based on FG signals.
- 28. The apparatus of claim 23, wherein the wobble detector comprises: a bandpass filter having a filtering coefficient at a frequency of 145 KHz.
- 29. A method of identifying a type of a disc, comprising: comparing a disc reflectivity with a first reference value; and identifying the disc as a DVD(R) type if the reflectivity is higher than the first reference value and as a DVD(RW) if the reflectivity is lower than the first reference value.
 - 30. The method of claim 29, further comprising: generating FG signals from a spindle motor; and measuring an RPM of the disc using the FG signals.
- 31. The method of claim 30, further comprising:
 comparing a measured RPM with a second reference value; and
 identifying the disc as a DVD(-) type if the RPM is lower than the second reference value
 and as a DVD(+) type if the RPM is higher than the second reference value.
- 32. A method of identifying a disc format during an initial disc driving period, comprising:

measuring a disc reflectivity to identify the disc format as either a DVD-R/+R or a DVD-RW/+RW; and

measuring a disc RPM to identify the disc format as either a DVD(-) or a DVD(+).